

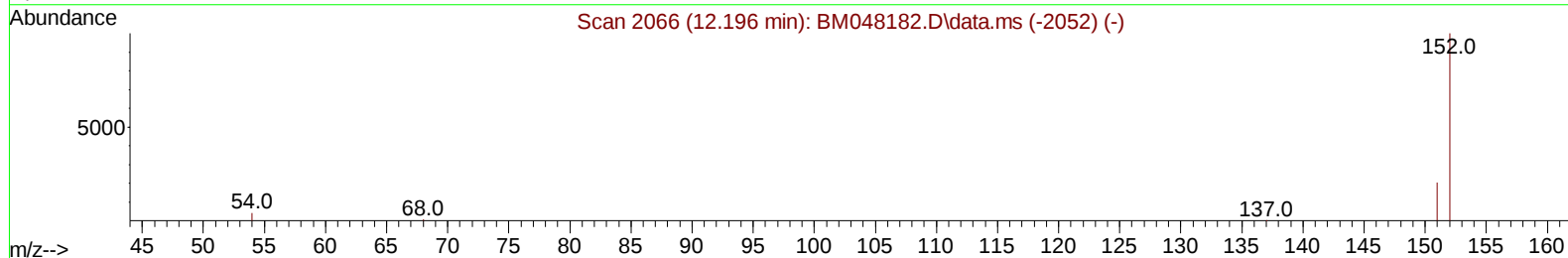
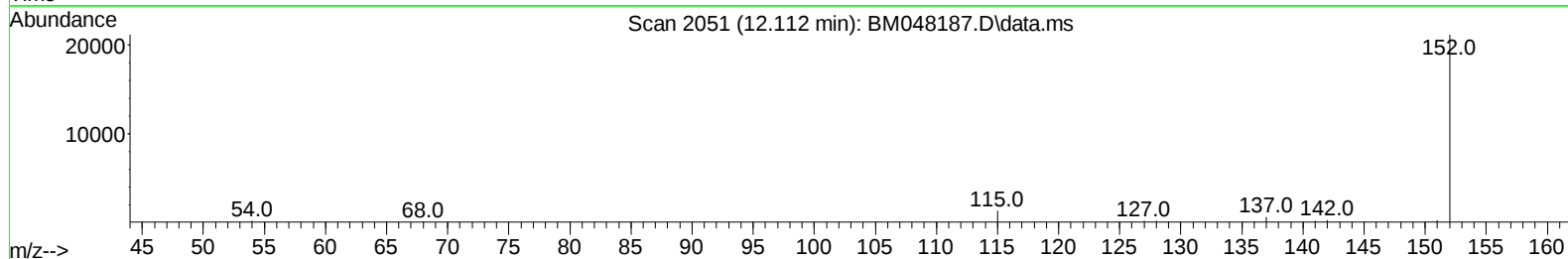
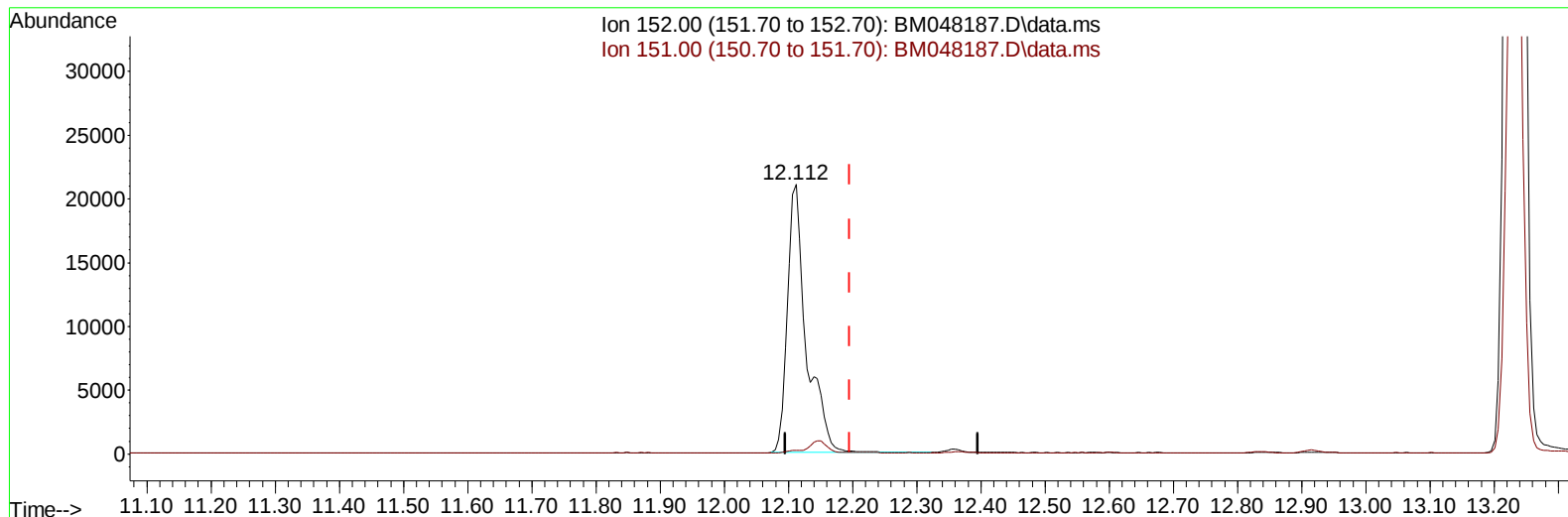
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048187.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.112min (-0.084) 1.52 ng/u1

response 43282

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

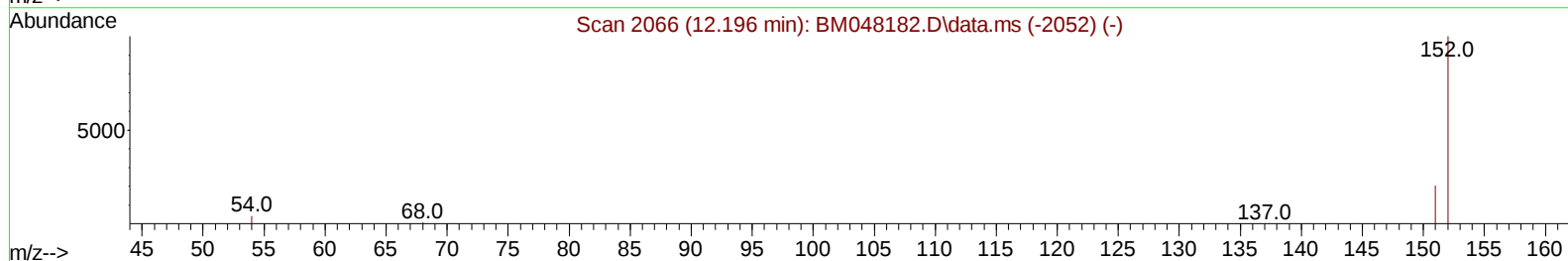
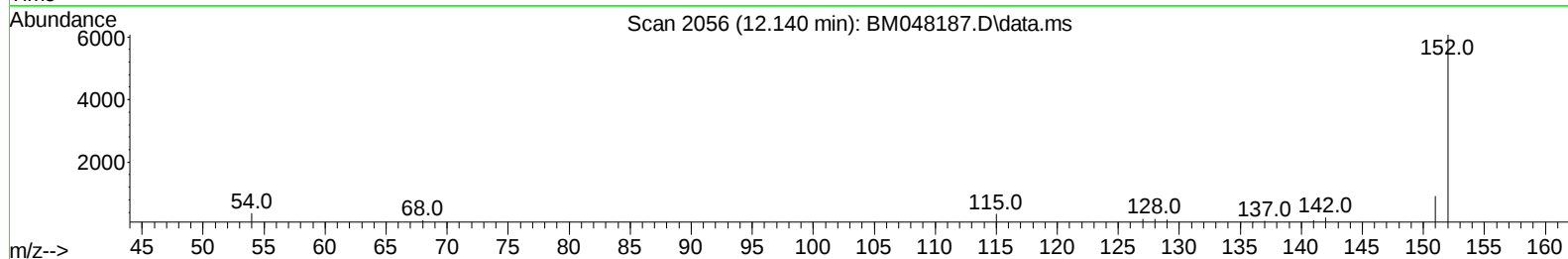
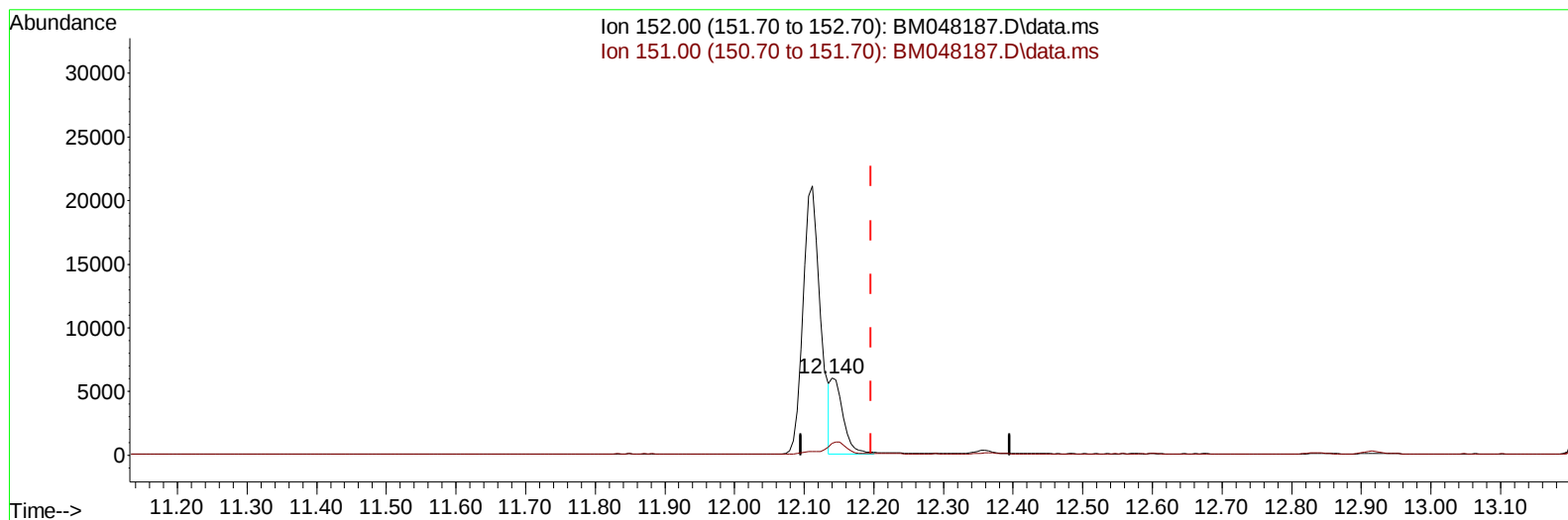
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration



TIC: BM048187.D\data.ms

(6) 2-Methylnaphthalene-d10 (SURR)

12.140min (-0.056) 0.27 ng/ul m

response 7550

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

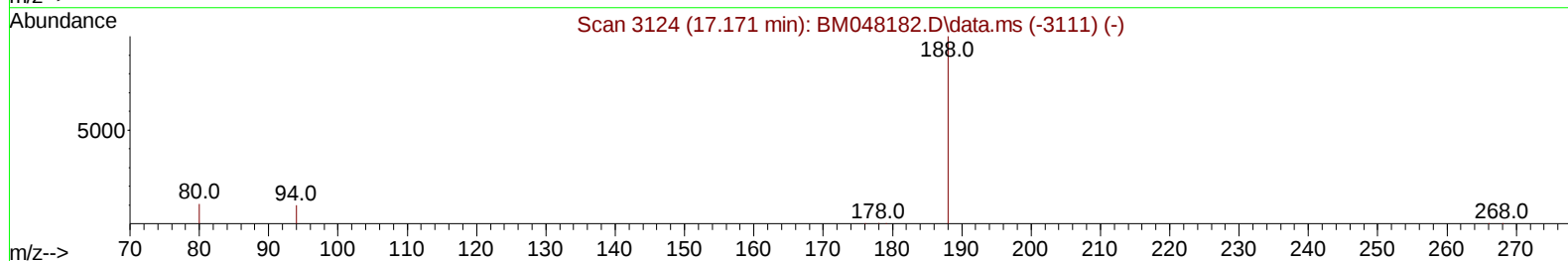
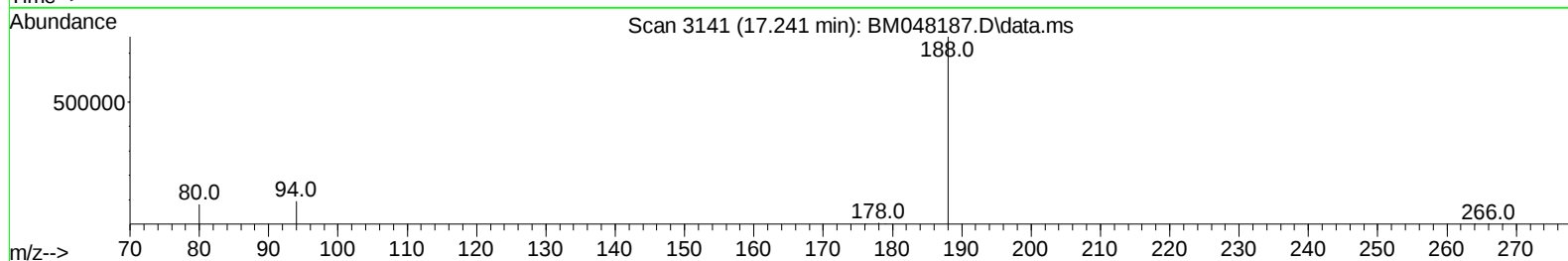
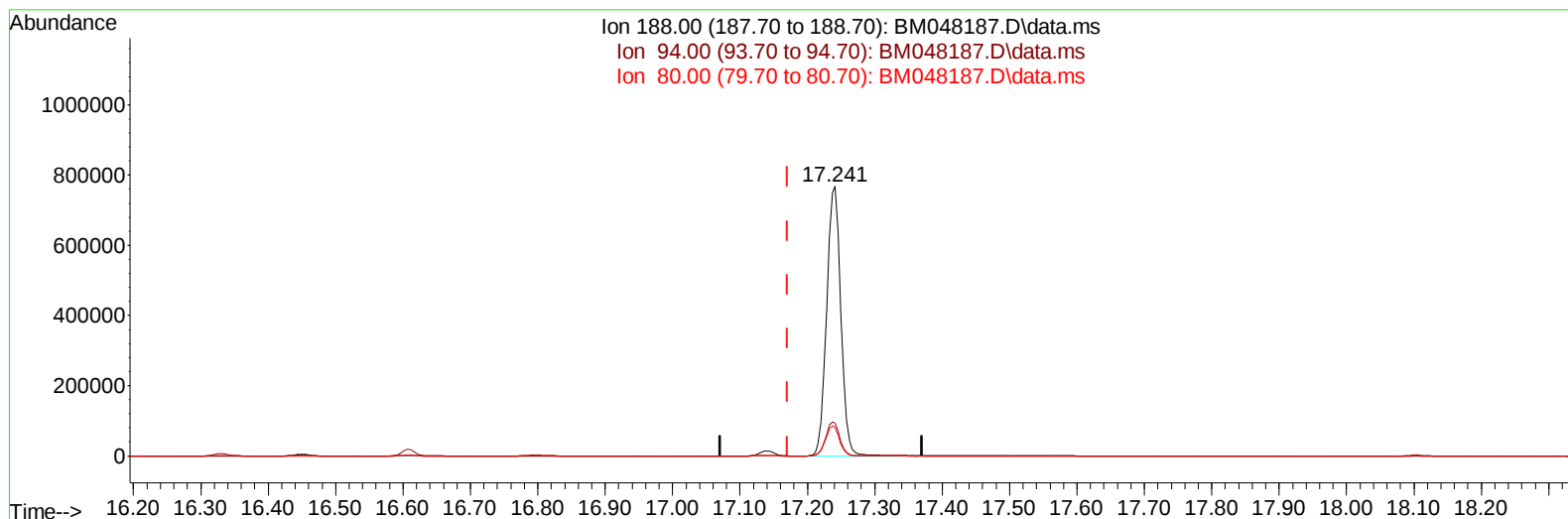
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048187.D\data.ms

(13) Phenanthrene-d10 (I)

17.241min (+ 0.071) 0.40 ng/u1

response 1114391

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.80	12.16
80.00	12.40	10.43
0.00	0.00	0.00

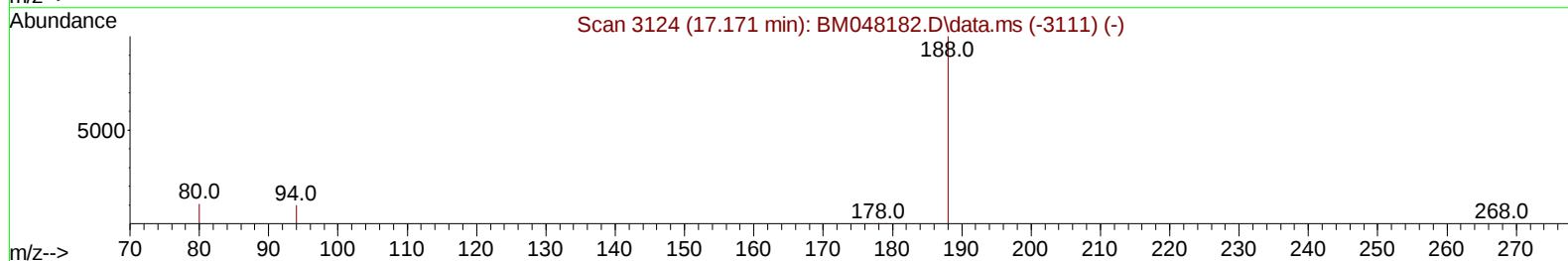
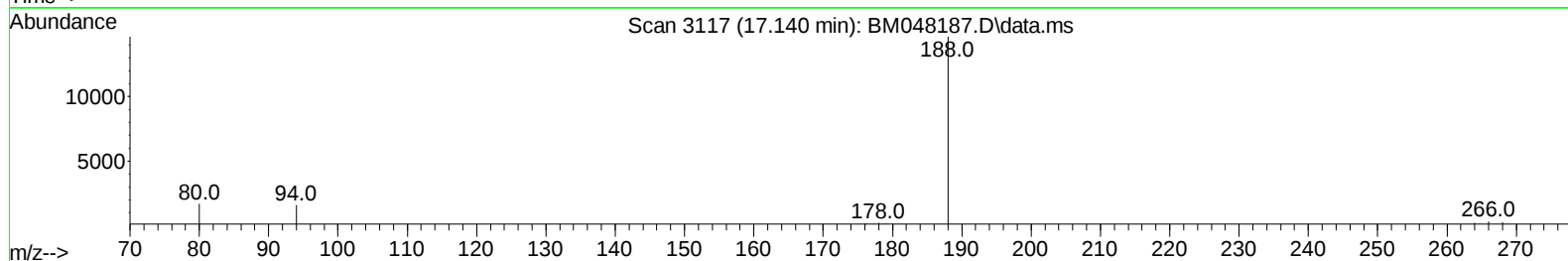
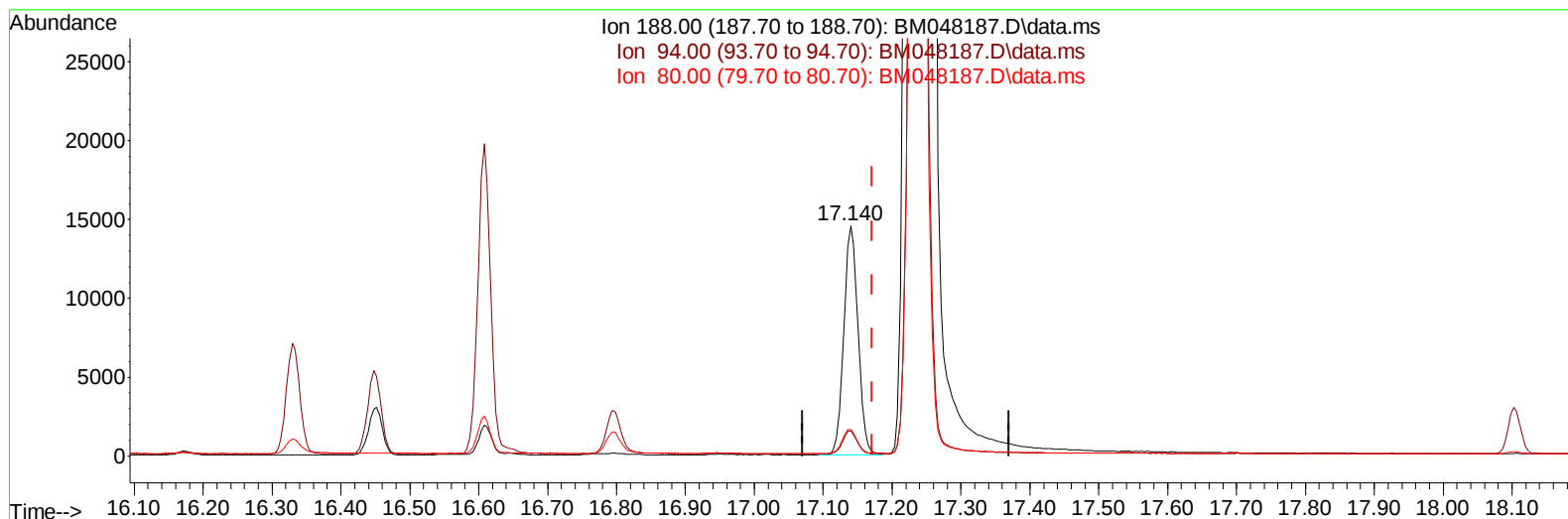
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048187.D\data.ms

(13) Phenanthrene-d10 (I)

17.140min (-0.031) 0.40 ng/ul m

response 20875

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.80	10.87
80.00	12.40	11.53
0.00	0.00	0.00

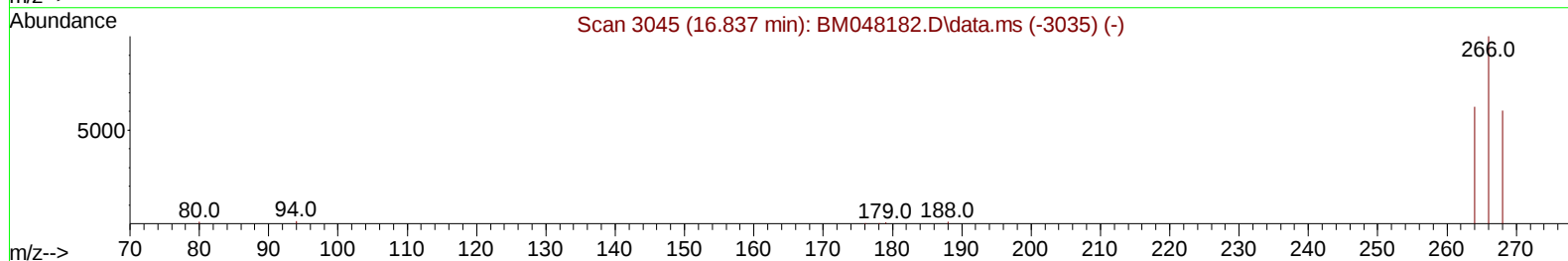
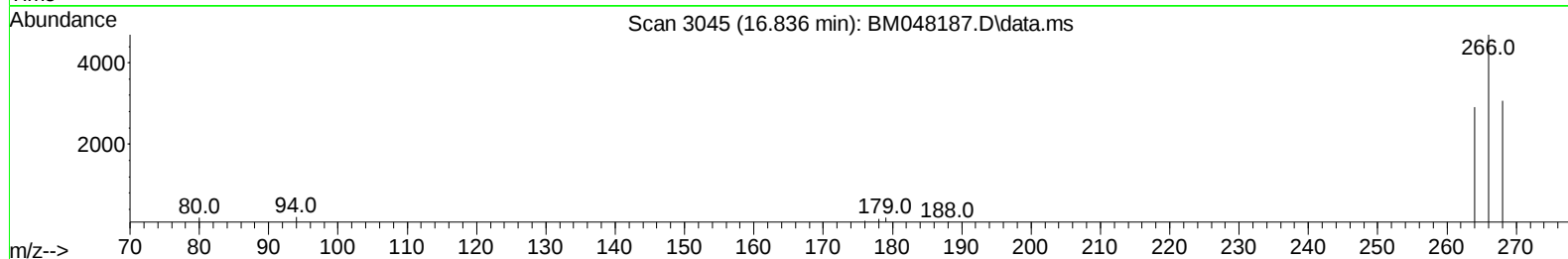
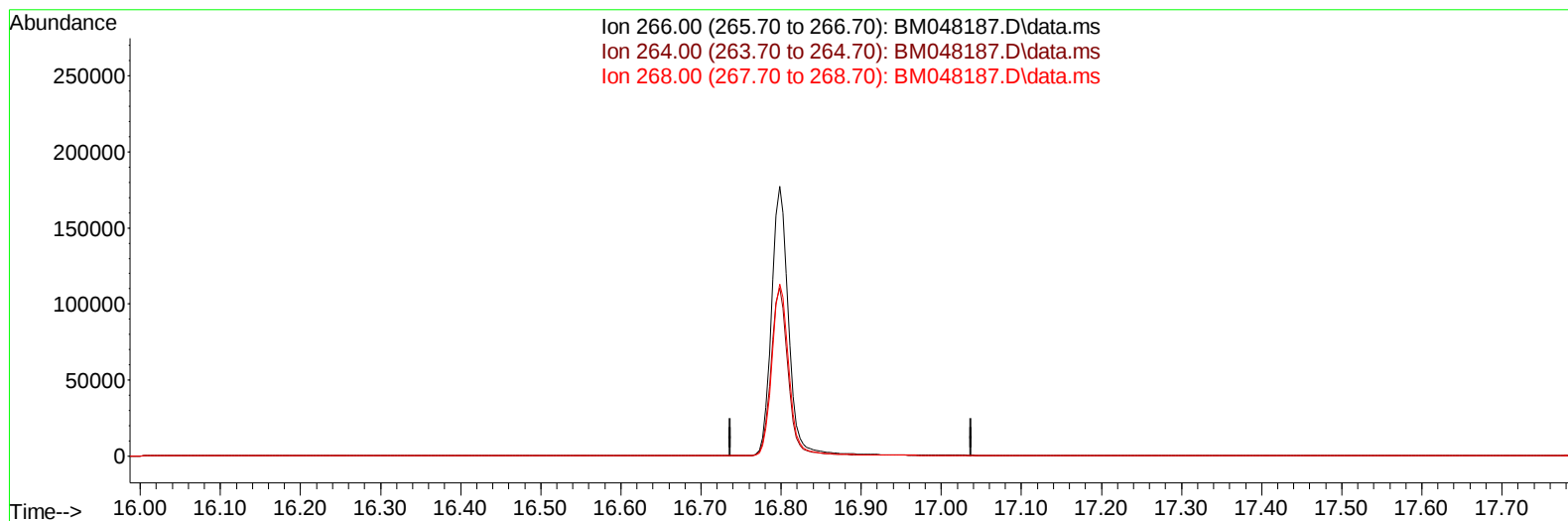
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048187.D\data.ms

(14) Pentachloropheno1

16.837min (-16.837) 0.00 ng/ul

response 0

Ion	Exp%	Act%
266.00	100.00	0.00
264.00	62.70	0.00#
268.00	64.70	0.00#
0.00	0.00	0.00

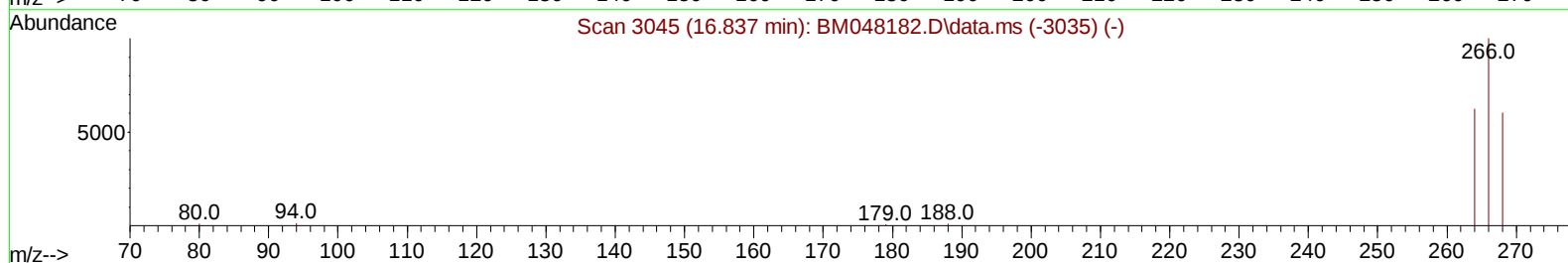
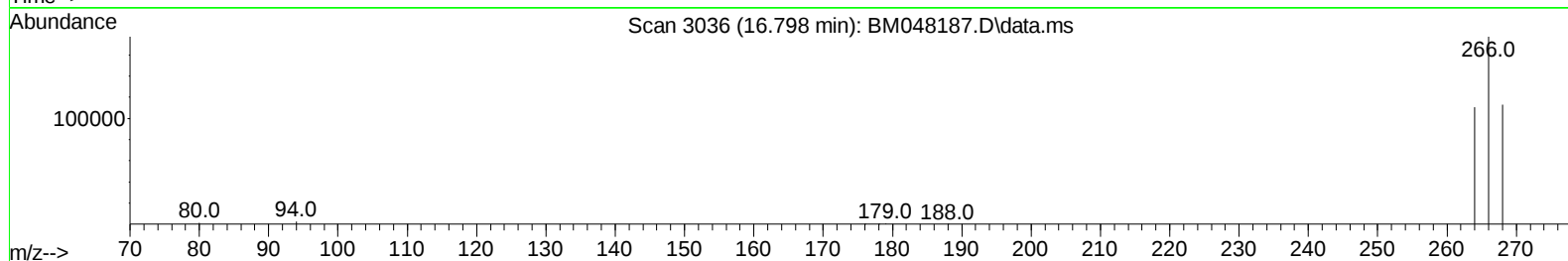
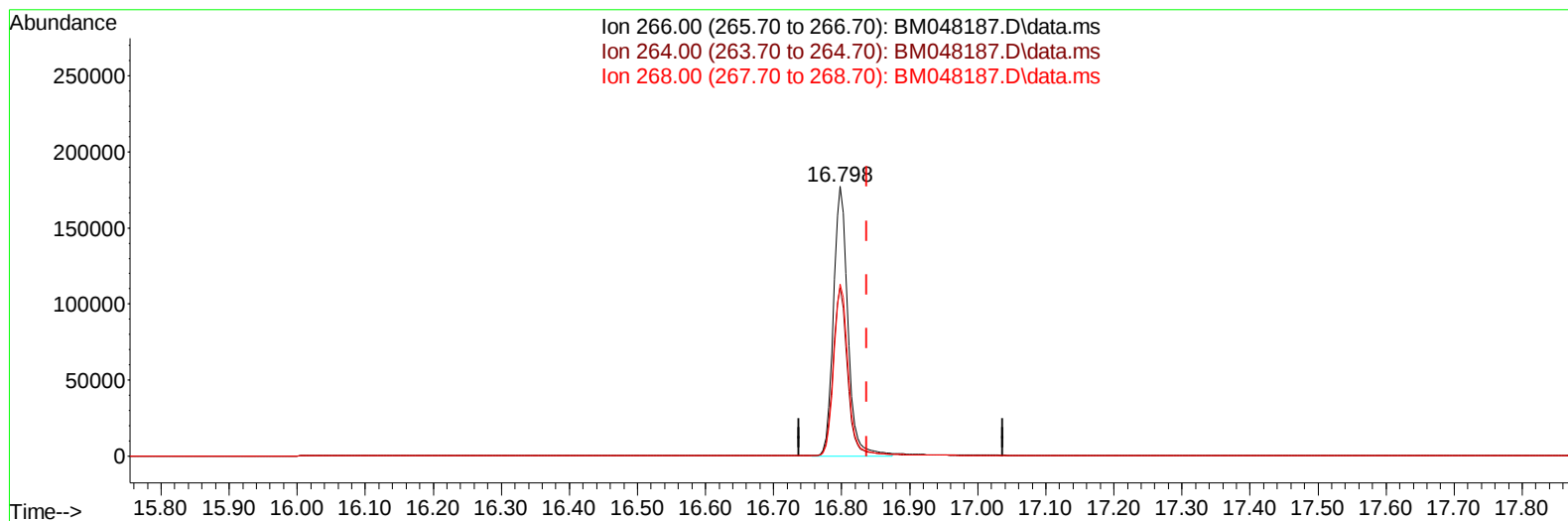
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration



TIC: BM048187.D\data.ms

(14) Pentachlorophenol

16.798min (-0.039) 37.35 ng/ul m

response 261808

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	62.70	0.00#
268.00	64.70	0.00#
0.00	0.00	0.00

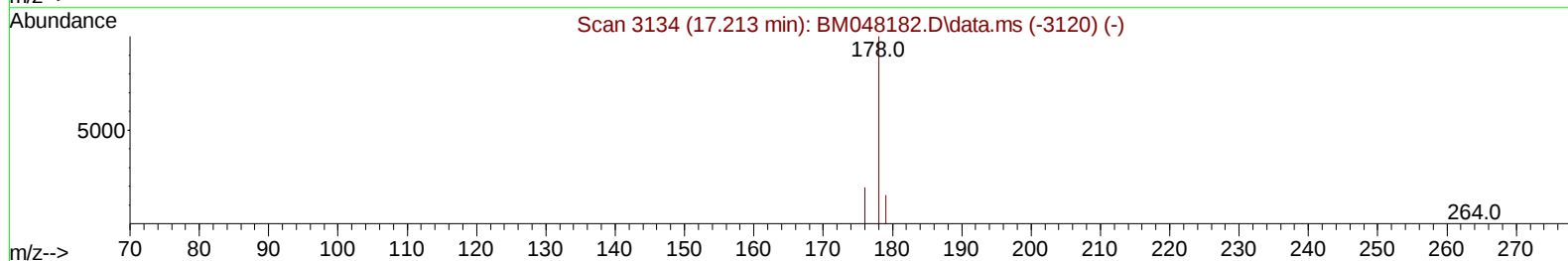
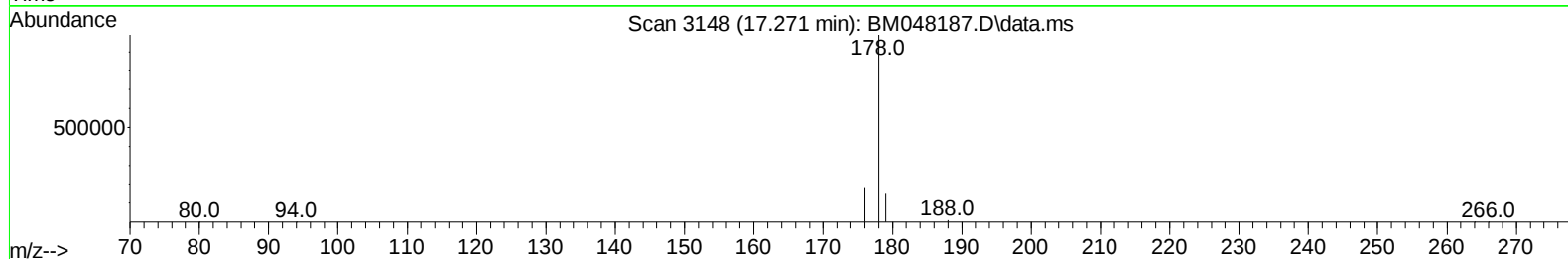
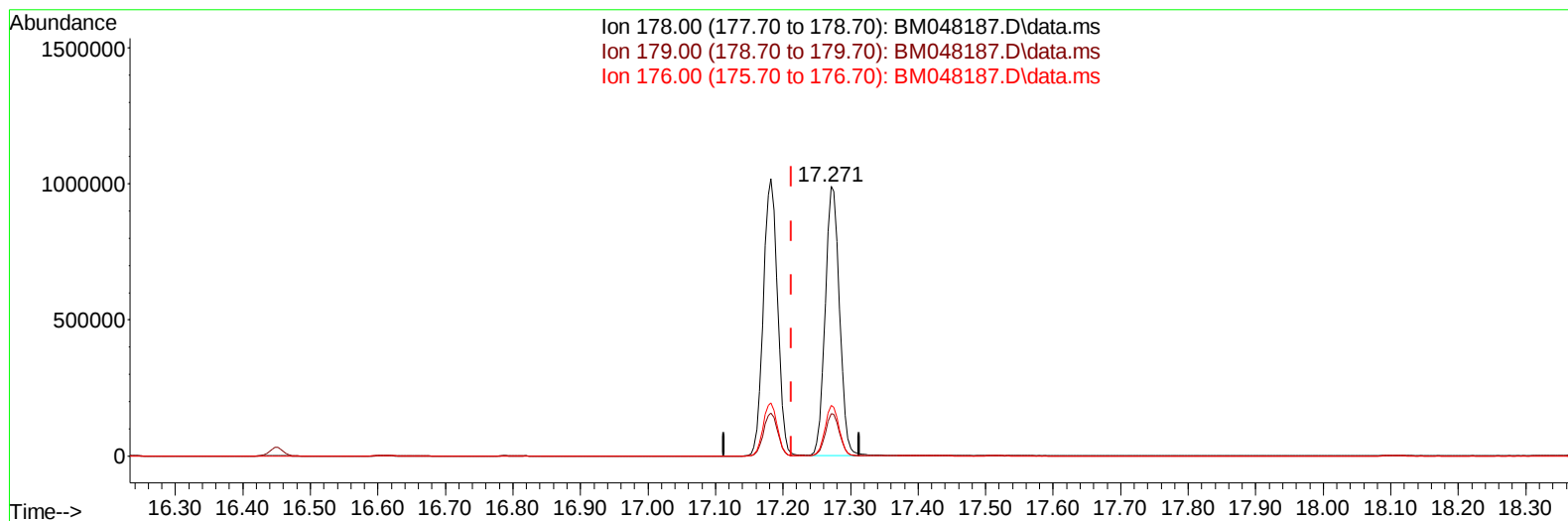
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048187.D\data.ms

(15) Phenanthrene

17.271min (+ 0.058) 27.57 ng/u1

response 1454602

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.50	15.62
176.00	20.00	18.81
0.00	0.00	0.00

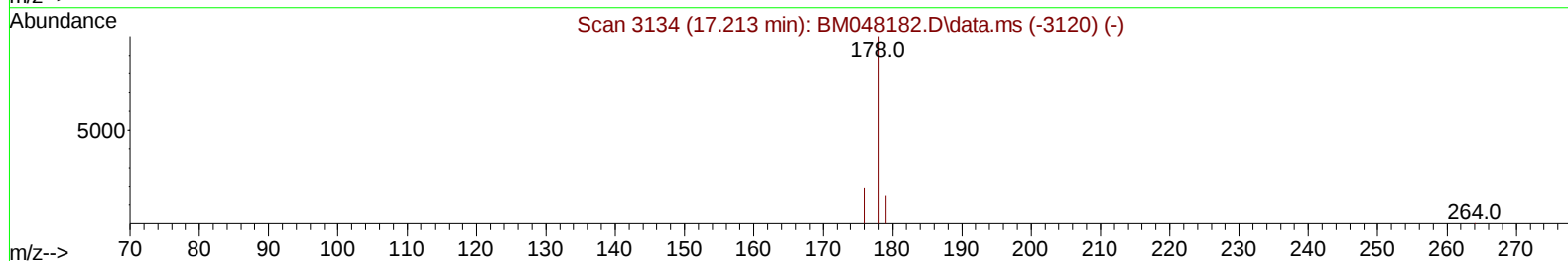
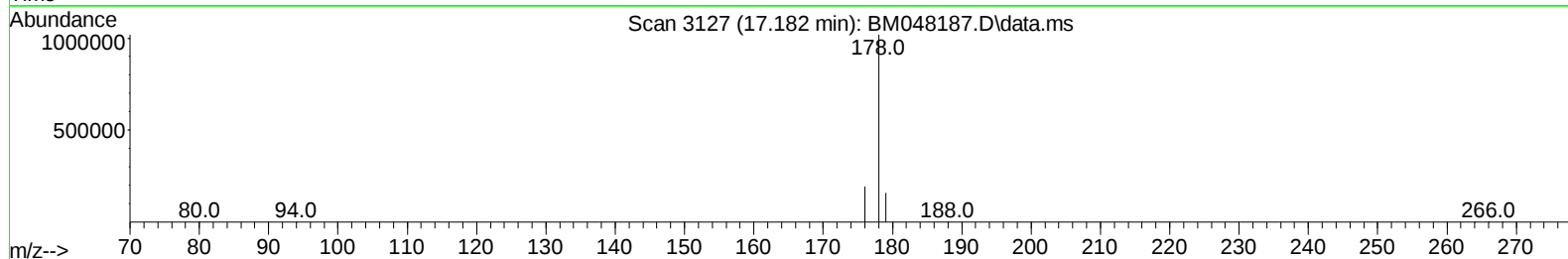
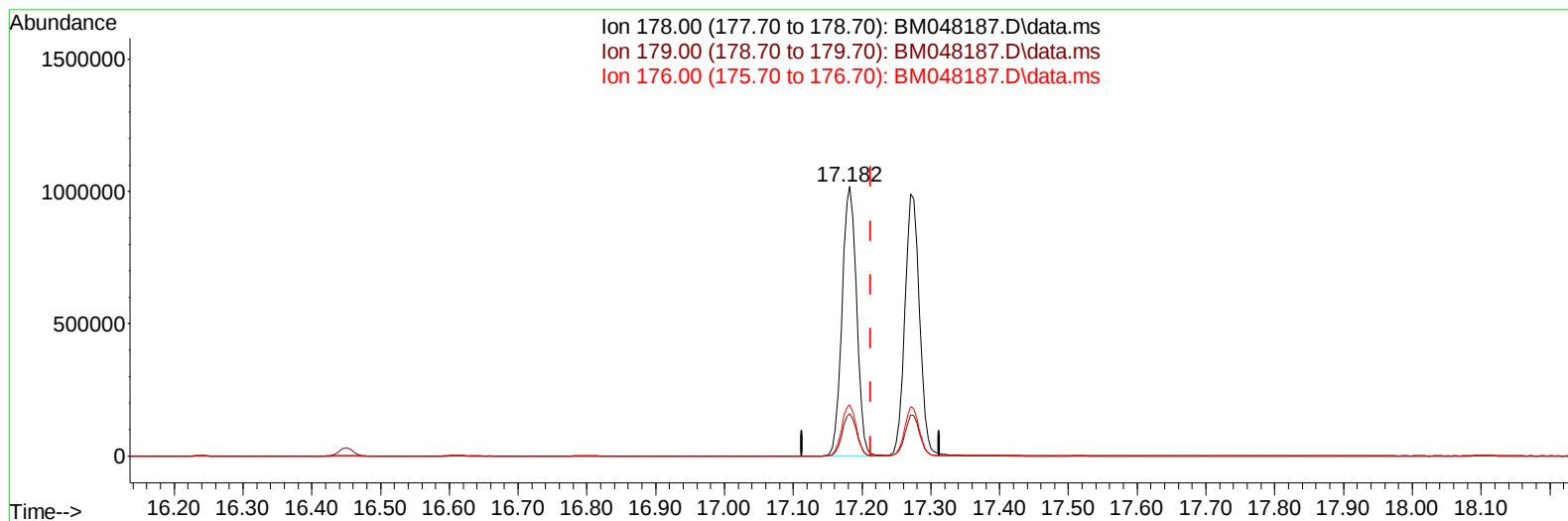
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048187.D\data.ms

(15) Phenanthrene

17.182min (-0.031) 28.15 ng/ul m

response 1484894

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.50	15.59
176.00	20.00	19.09
0.00	0.00	0.00

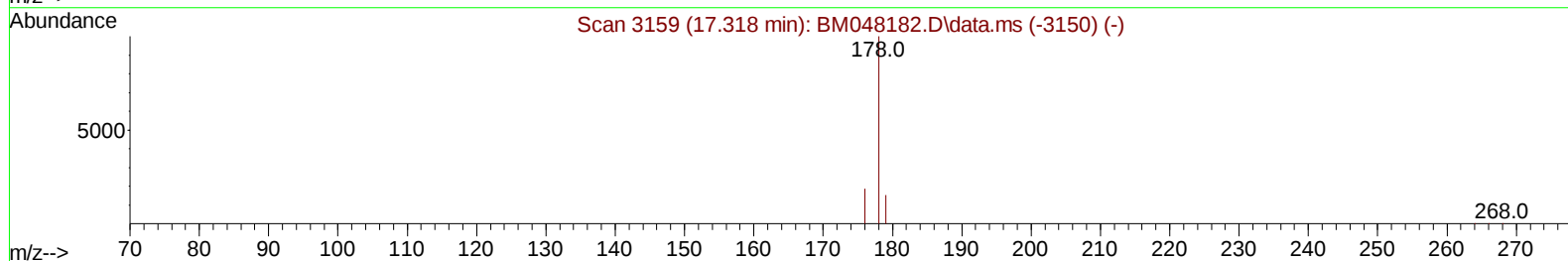
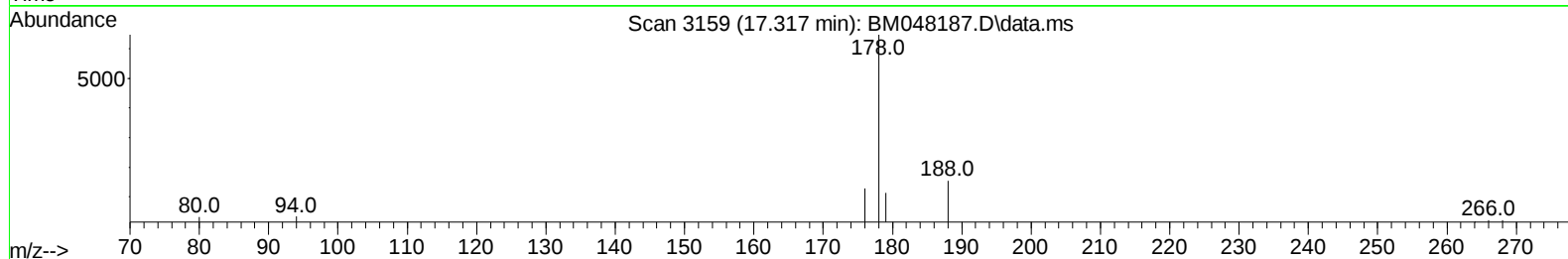
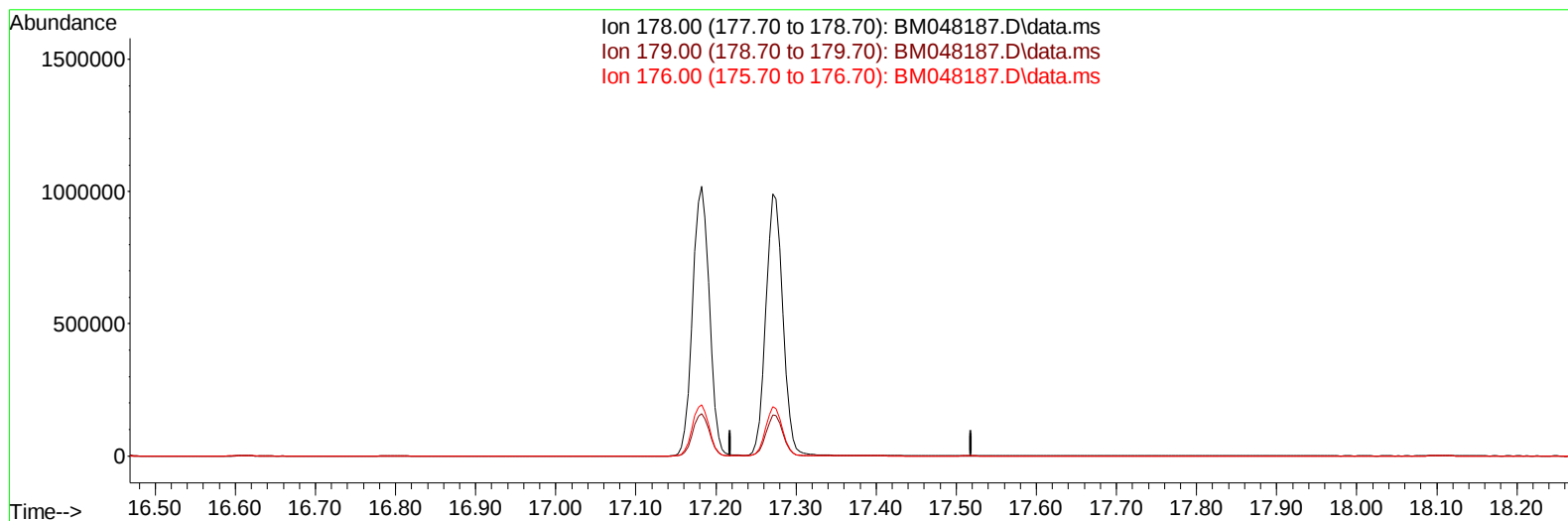
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048187.D\data.ms

(16) Anthracene

17.318min (-17.318) 0.00 ng/u1

response 0

Ion	Exp%	Act%
178.00	100.00	0.00
179.00	18.10	0.00#
176.00	20.00	0.00#
0.00	0.00	0.00

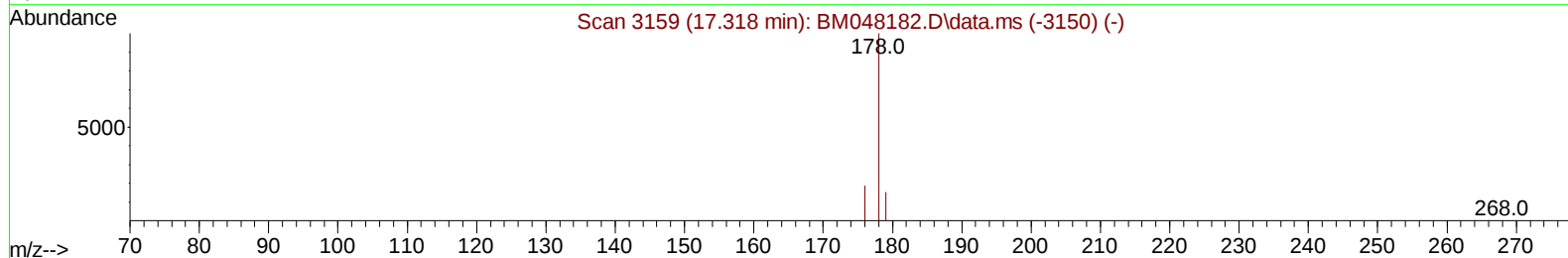
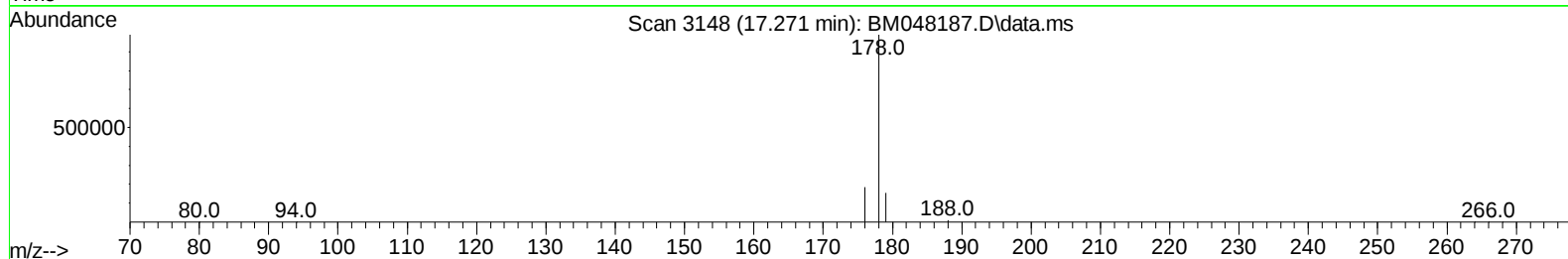
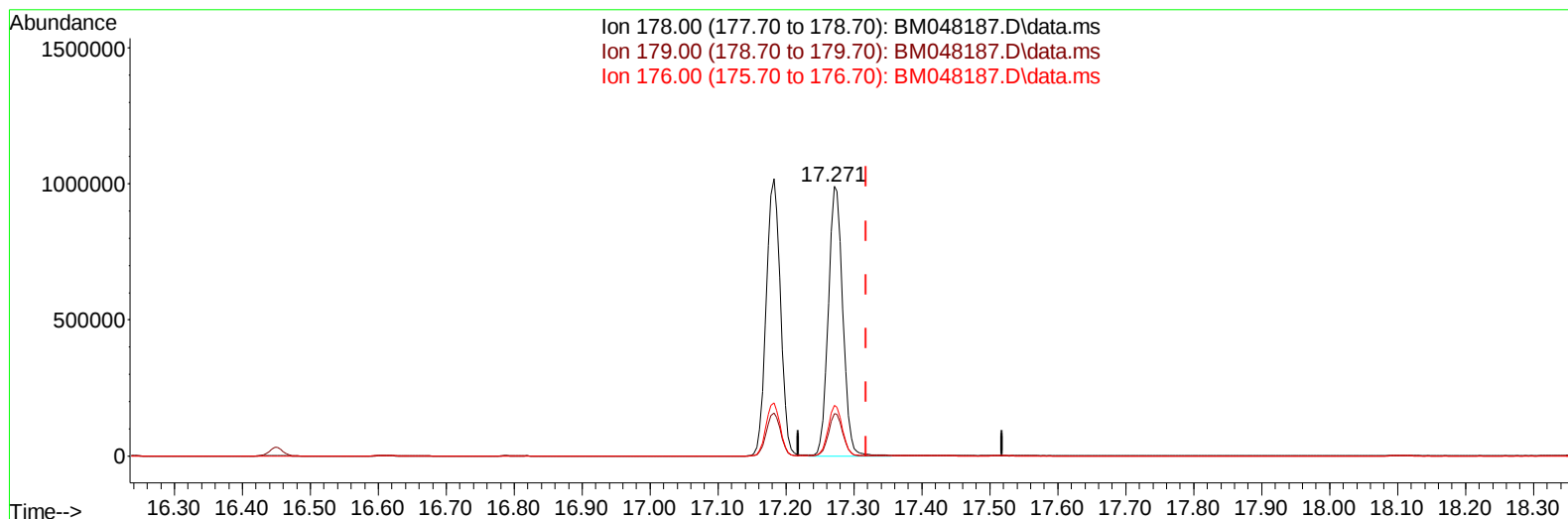
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048187.D\data.ms

(16) Anthracene

17.271min (-0.048) 29.40 ng/ul m

response 1467589

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.10	15.62
176.00	20.00	18.81
0.00	0.00	0.00

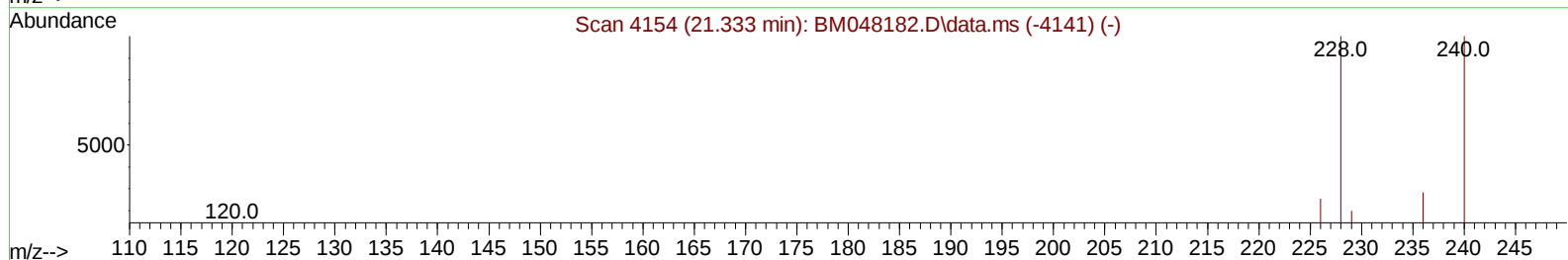
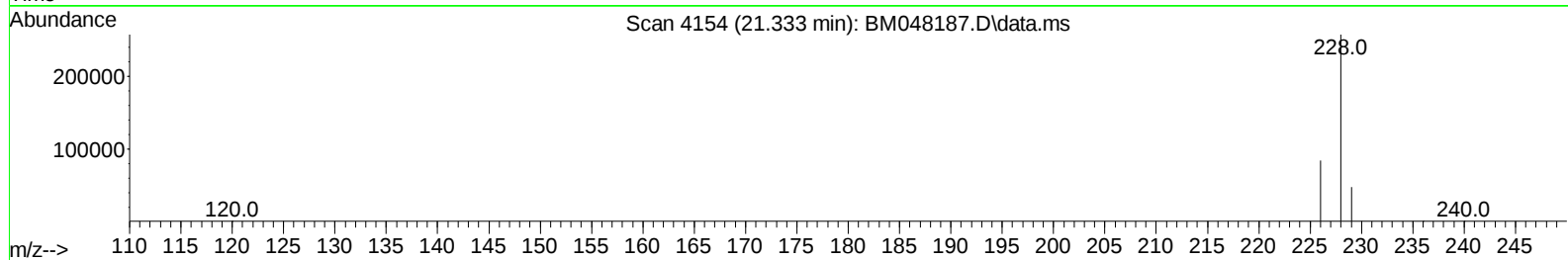
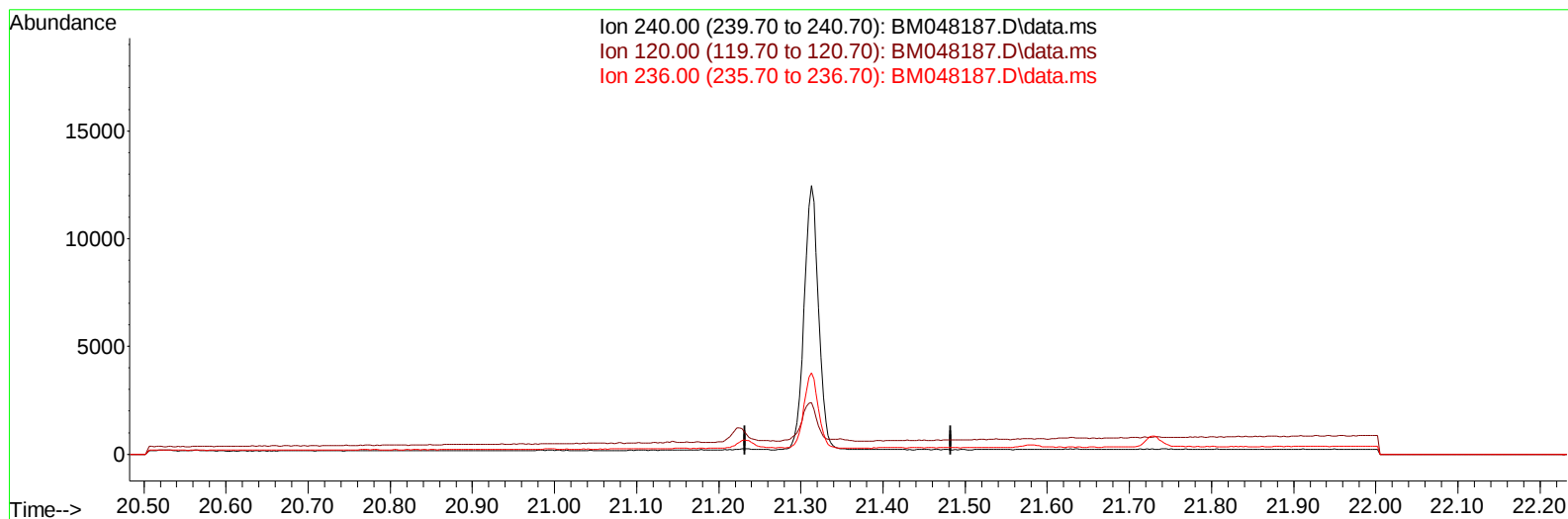
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048187.D\data.ms

(17) Chrysene-d12

21.333min (-21.333) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	22.80	0.00#
236.00	30.60	0.00#
0.00	0.00	0.00

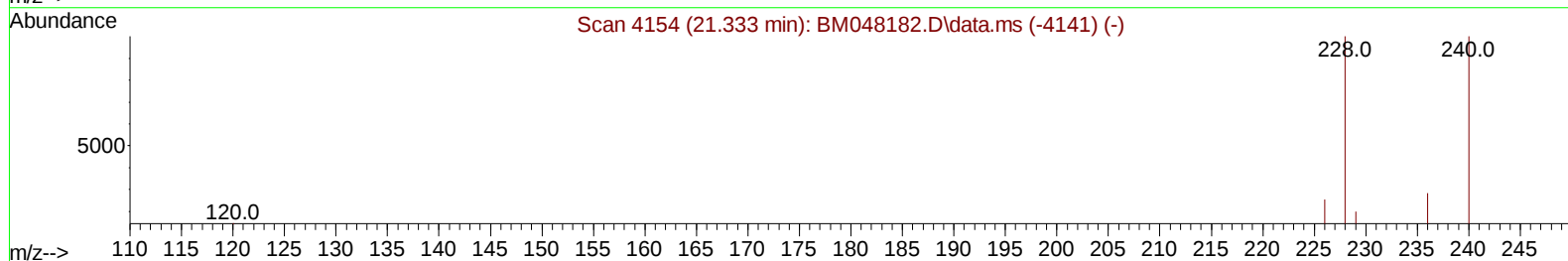
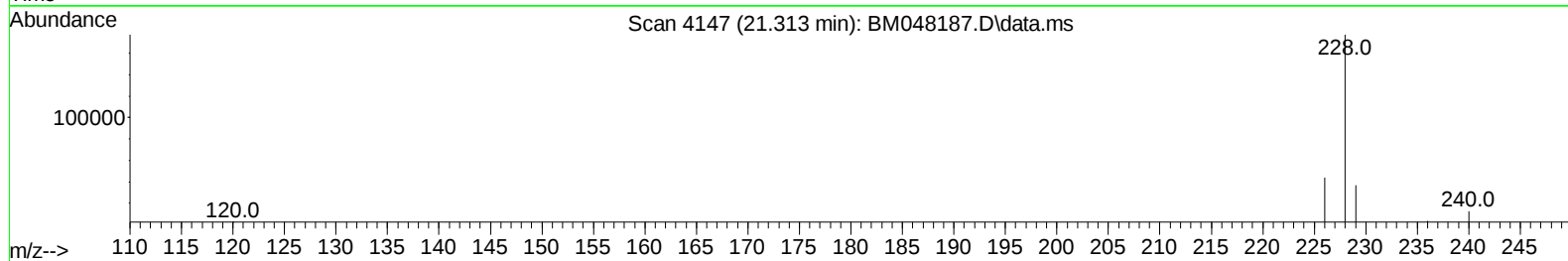
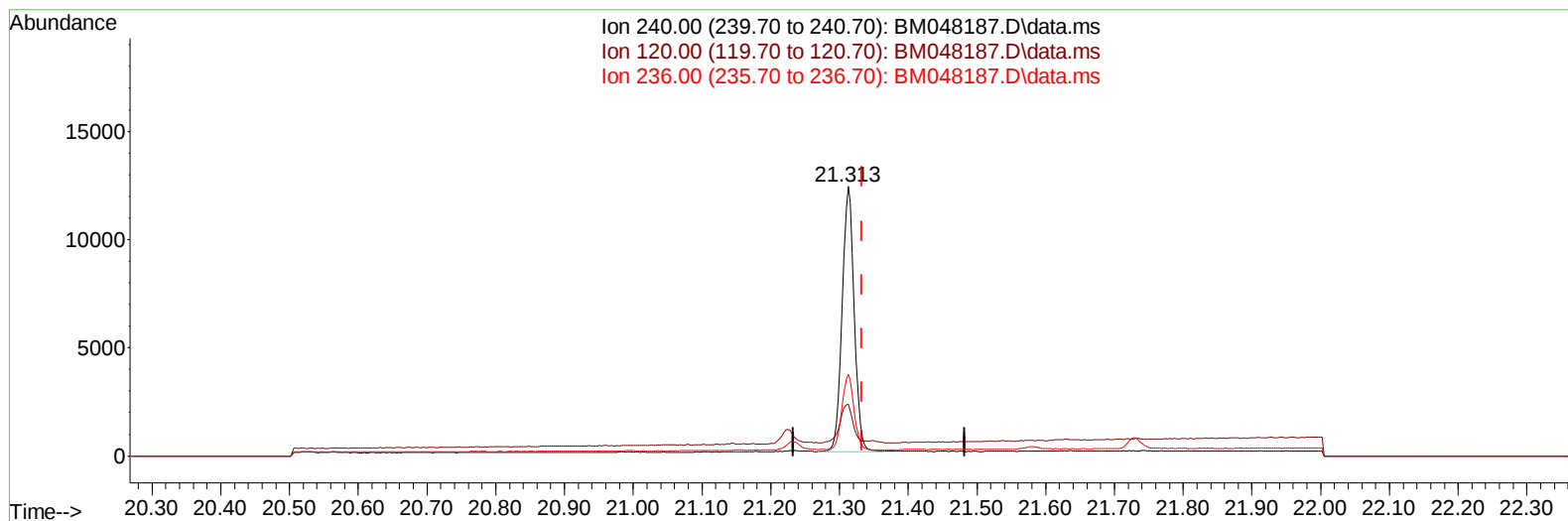
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048187.D\data.ms

(17) Chrysene-d12

21.313min (-0.020) 0.40 ng/ul m

response 14996

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	19.34
236.00	30.60	30.37
0.00	0.00	0.00

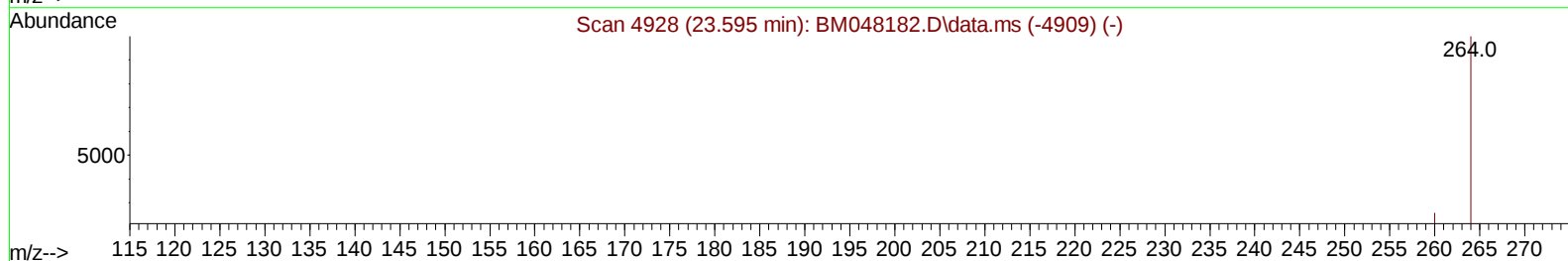
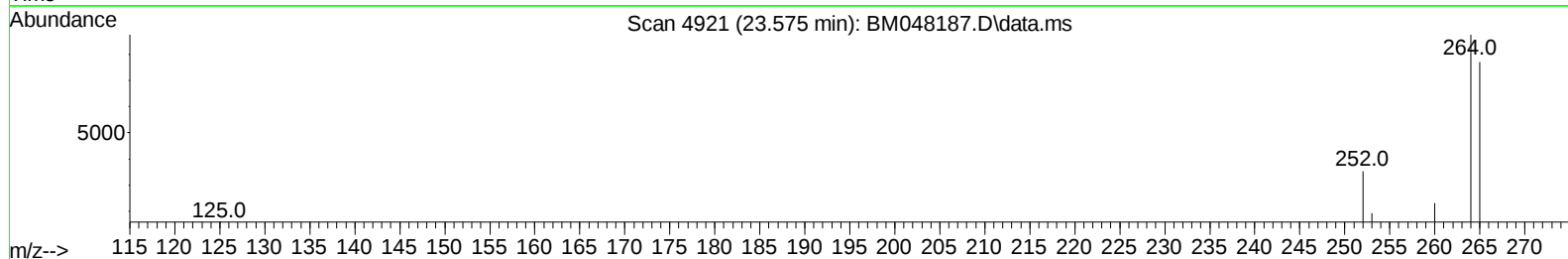
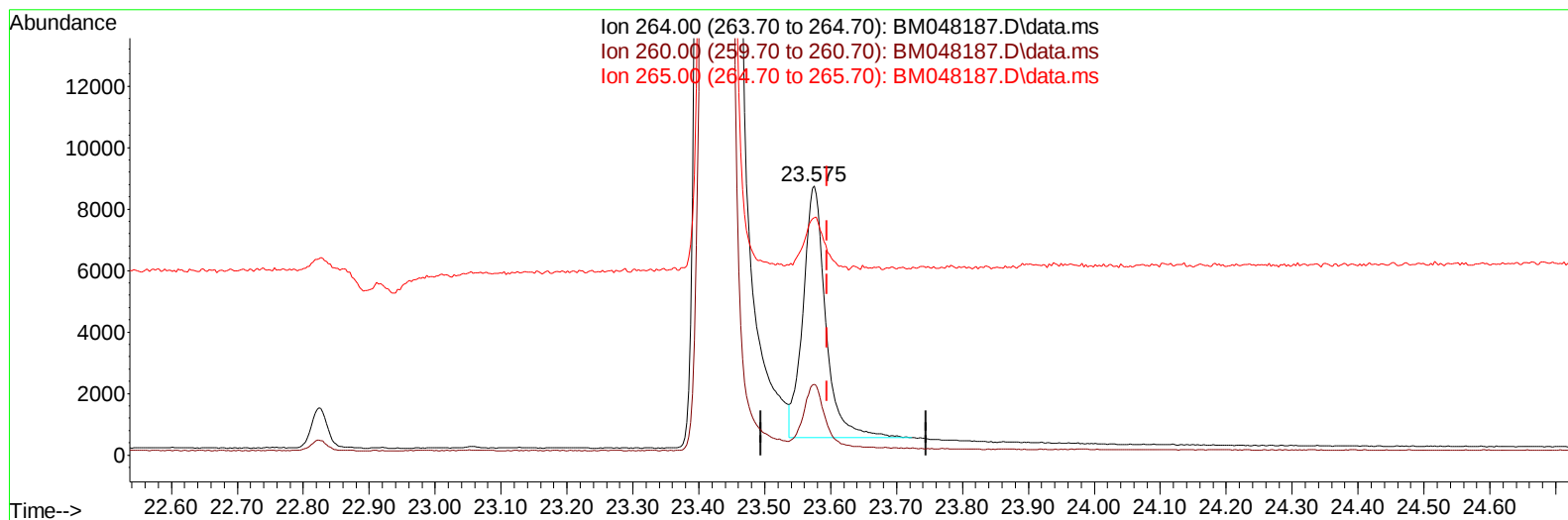
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048187.D\data.ms

(23) Perylene-d12 (I)

23.575min (-0.020) 0.40 ng/u1

response 19669

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	26.39
265.00	128.10	88.21#
0.00	0.00	0.00

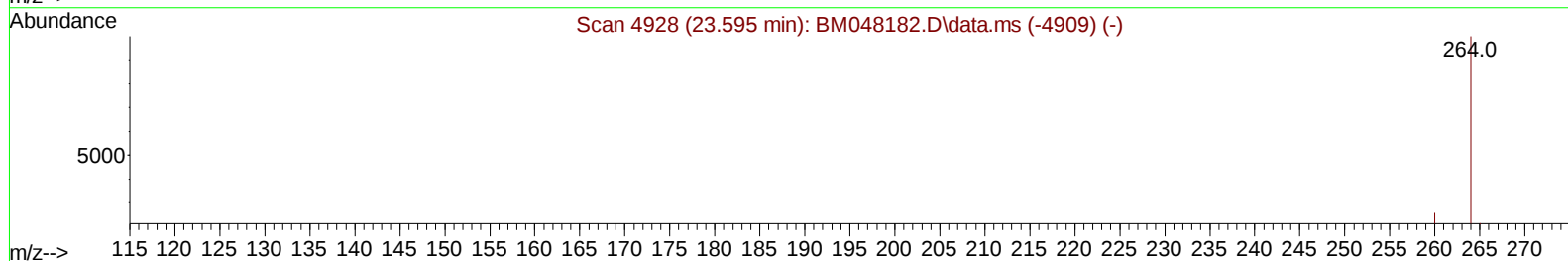
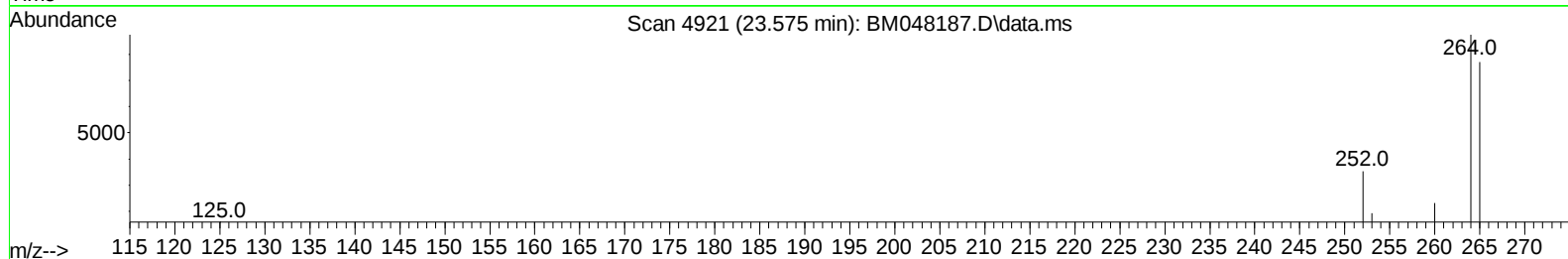
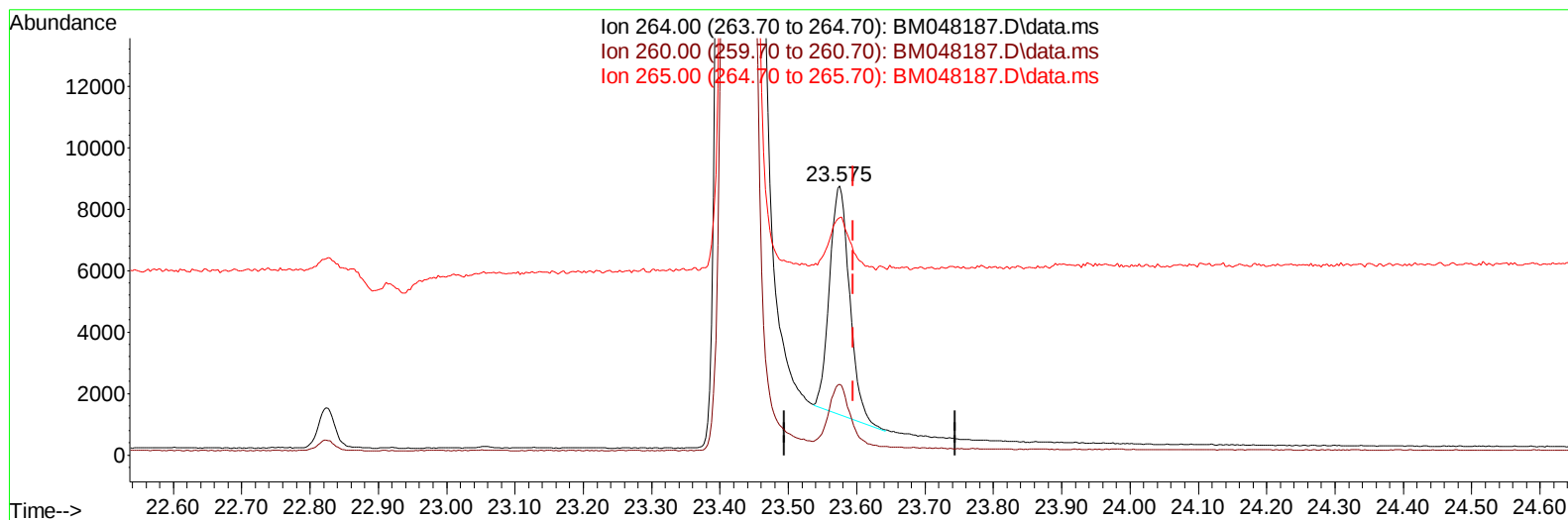
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048187.D
Acq On : 22 Oct 2024 11:43
Operator : RC/JU
Sample : PB164300BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS300

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048187.D\data.ms

(23) Perylene-d12 (I)

23.575min (-0.020) 0.40 ng/ul m

response 15161

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	26.39
265.00	128.10	88.21#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
 Data File : BM048187.D
 Acq On : 22 Oct 2024 11:43
 Operator : RC/JU
 Sample : PB164300BS
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS300

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 22 12:27:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 22 10:58:11 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.767	152	6376	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.550	136	20400	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.399	164	10654	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.140	188	20875m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.313	240	14996m	0.400	ng/ul	-0.02
23) Perylene-d12	23.575	264	15161m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.231	96	39986	4.613	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.140	152	7550m	0.266	ng/ul	-0.06
18) Fluoranthene-d10	19.164	212	15100	0.346	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.265	88	83606	8.212	ng/ul#	80
5) Naphthalene	10.600	128	1382709	24.940	ng/ul	96
7) 2-Methylnaphthalene	12.217	142	881852	27.801	ng/ul	97
8) 1-Methylnaphthalene	12.437	142	845246	23.154	ng/ul	98
10) Acenaphthylene	14.117	152	1275922	25.926	ng/ul	97
11) Acenaphthene	14.459	153	875698	24.898	ng/ul	98
12) Fluorene	15.449	166	972348	25.807	ng/ul	97
14) Pentachlorophenol	16.798	266	261808m	37.350	ng/ul	
15) Phenanthrene	17.182	178	1484894m	28.147	ng/ul	
16) Anthracene	17.271	178	1467589m	29.404	ng/ul	
19) Fluoranthene	19.196	202	1703953	28.949	ng/ul	97
20) Pyrene	19.559	202	1742103	27.528	ng/ul	99
21) Benzo(a)anthracene	21.295	228	1602483	34.690	ng/ul	99
22) Chrysene	21.348	228	1512553	21.504	ng/ul	99
24) Benzo(b)fluoranthene	22.891	252	1592471	27.413	ng/ul	81
25) Benzo(k)fluoranthene	22.935	252	1588578	22.591	ng/ul#	82
26) Benzo(a)pyrene	23.473	252	1492882	30.857	ng/ul#	71
27) Indeno(1,2,3-cd)pyrene	25.870	276	1909499	26.338	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.877	278	1493851	26.977	ng/ul#	84
29) Benzo(g,h,i)perylene	26.571	276	1540461	25.435	ng/ul	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

